

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE 1 OF 24 PAGES
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 17 July 2000	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than Item 6)		CODE
US ARMY ENGINEER DISTRICT PHILADELPHIA WANAMAKER BUILDING 100 PENN SQUARE EAST PHILADELPHIA PA 19107				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(√)	9A. AMENDMENT OF SOLICITATION NO. DACW61-00-B-0019	
		×	9B. DATED (SEE ITEM 11) 27 June 2000	
			10A. MODIFICATION OF CONTRACTS/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			

### 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

### 12. ACCOUNTING AND APPROPRIATION DATA (If required)

BULKHEAD REPLACEMENT, CHESAPEAKE CITY, PROJECT COMPOUND, C&D CANAL, MARYLAND

### 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(√)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☐ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

### 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

THIS AMENDMENT DOES NOT EXTEND THE BID OPENING DATE OF 27 JULY 2000 AT 11:00 AM.

Please indicate receipt of Amendment 0001 on Standard Form 1442 (Solicitation, Offer, and Award) as Amendment 0001. Failure to acknowledge all Amendments may be cause for rejection of the bid.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)	

SF 30 CONTINUATION SHEET

14. DESCRIPTION OF AMENDMENT:

a. COVER SHEET

Please delete cover sheet in its entirety and replace it with the new cover sheet, annotated Amendment No. 0001, attached hereto.

b. CONTRACT CLAUSES

1. Please delete Main Table of Contents in its entirety and replace it with the new Main Table of Contents, annotated Amendment No. 0001, attached hereto.

2. Please delete Section 00010 Table of Contents in its entirety and replace it with the new Section 00010 Table of Contents, annotated Amendment No. 0001, attached hereto.

3. Please delete page 00700-38 in its entirety and replace it with the new page 00700-38, annotated Amendment No. 0001, attached hereto.

c. Section 00815–WAGE RATES

Please delete page 00815-1 in its entirety and replace it with the new pages 00815-1 through 00815-3, annotated Amendment No. 0001, attached hereto.

e. Section 00845–SURVEY CONTROL DESCRIPTION SHEETS

Please delete page 00845-1 in its entirety and replace it with the new pages 00845-1 through 00845-4, annotated Amendment No. 0001, attached hereto.

f. Section 01500–TEMPORARY CONSTRUCTION

Please delete pages 01500-1 through 01500-3 in its entirety and replace it with the new pages 01500-1 through 01500-4, annotated Amendment No. 0001, attached hereto.

g. Section 02361–TIMBER FENDER PILES

Please delete page 02361-4 in its entirety and replace it with the new page 02361-4, annotated Amendment No. 0001, attached hereto.

h. CONTRACT DRAWINGS

Drawing 58413: Please delete this drawing in its entirety and substitute the revised drawing of the same number attached hereto. This constitutes a change to this drawing dated 13 July 2000.

i. Please indicate receipt of this amendment on Standard Form 1442 (SOLICITATION, OFFER AND AWARD) as Amendment No. 0001. Failure to acknowledge all amendments may be cause for rejection of the bid.

IFB DACW61-00-B-0019



**US Army Corps  
of Engineers**  
Philadelphia District

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# **Bulkhead Replacement Chesapeake City**

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**Project Compound  
C&D Canal, Maryland**

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## **Construction Solicitation and Specifications**

**27 June 2000**

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MAIN TABLE OF CONTENTS

SECTION	TITLE	PAGE NOS.
00010	SF1442 AND BIDDING SCHEDULE	00010-1 to 00010-4
00100	INSTRUCTIONS, CONDITIONS, AND NOTICE TO BIDDERS	00100-1 to 00100-8
00600	REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENT OF BIDDERS	00600-1 to 00600-10
	SMALL, SMALL DISADVANTAGED, AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING PLAN	00605-1 to 00605-6
00700	CONTRACT CLAUSES	00700-1 to 00700-86
	SPECIAL CONTRACT REQUIREMENTS	00800-1 to 00845-1
	SPECIFICATIONS	01010-1to 06100-3

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TABLE OF CONTENTS

SECTION 00010

TITLE	PAGE NOS.
SOLICITATION, OFFER, AND AWARD (SF1442)	00010-1 to 00010-2
BIDDING SCHEDULE	00010-3

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Contracting Officer. The 5 percent incentive payment will not be made within 50 working days of subcontract award or while a challenge is pending. If a subcontractor is determined to be an ineligible participant, no incentive payment will be made under the Indian Incentive Program.

(2) The Contractor may request an adjustment under the Indian Incentive Program to the following:

- (i) The estimated cost of a cost-type contract.
- (ii) The target cost of a cost-plus-incentive-fee prime contract.
- (iii) The target cost and ceiling price of a fixed-price incentive prime contract.
- (iv) The price of a firm-fixed-price prime contract.

(3) The amount of the equitable adjustment to the prime contract shall be 5 percent of the estimated cost, target cost or firm-fixed-price included in the subcontract initially awarded to the Indian organization or Indian-owned economic enterprise.

(4) The Contractor has the burden of proving the amount claimed and must assert its request for an adjustment prior to completion of contract performance.

(d) T The Contracting Officer, subject to the terms and conditions of the contract and the availability of funds, will authorize an incentive payment of 5 percent of the amount paid to the subcontractor. The Contracting Officer will seek funding in accordance with agency procedures.

(End of clause)

#### 52.227-1 AUTHORIZATION AND CONSENT (JUL 1995)

(a) The Government authorizes and consents to all use and manufacture, in performing this contract or any subcontract at any tier, of any invention described in and covered by a United States patent (1) embodied in the structure or composition of any article the delivery of which is accepted by the Government under this contract or (2) used in machinery, tools, or methods whose use necessarily results from compliance by the Contractor or a subcontractor with (i) specifications or written provisions forming a part of this contract or (ii) specific written instructions given by the Contracting Officer directing the manner of performance. The entire liability to the Government for infringement of a patent of the United States shall be determined solely by the provisions of the indemnity clause, if any, included in this contract or any subcontract hereunder (including any lower-tier subcontract), and the Government assumes liability for all other infringement to the extent of the authorization and consent hereinabove granted.

(b) The Contractor agrees to include, and require inclusion of, this clause, suitably modified to identify the parties, in all subcontracts at any tier for supplies or services (including construction, architect-engineer services, and materials, supplies, models, samples, and design or testing services expected to exceed the simplified acquisition threshold (however, omission of this clause from any subcontract, including those at or below the simplified acquisition threshold, does not affect this authorization and consent.)

#### 52.227-2 NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT (AUG 1996)

(a) The Contractor shall report to the Contracting Officer, promptly and in reasonable written detail, each notice or claim of patent or copyright infringement based on the performance of this contract of which the Contractor has knowledge.

(b) In the event of any claim or suit against the Government on account of any alleged patent or copyright infringement arising out of the performance of this contract or out of the use of any supplies furnished or work or services performed under this contract, the Contractor shall furnish to the Government, when requested by the Contracting Officer, all evidence and information in possession of the Contractor pertaining to such suit or claim. Such evidence and information shall be furnished at the expense of the Government except where the Contractor has agreed to indemnify the Government.

(c) The Contractor agrees to include, and require inclusion of, this clause in all subcontracts at any tier for supplies or services (including construction and architect-engineer subcontracts and those for material, supplies, models, samples, or design or testing services) expected to exceed the simplified acquisition threshold at (FAR) 2.101 to exceed the dollar amount set forth in 13.000 of the Federal Acquisition Regulation (FAR).

(End of clause)

#### 52.227-4 PATENT INDEMNITY--CONSTRUCTION CONTRACTS (APR 1984)

Except as otherwise provided, the Contractor agrees to indemnify the Government and its officers, agents, and employees against liability, including costs and expenses, for infringement upon any United States patent (except a patent issued upon an application that is now or may hereafter be withheld from issue pursuant to a Secrecy Order under 35 U.S.C. 181) arising out of performing this contract or out of the use or disposal by or for the account of the Government of supplies furnished or work performed under this contract.

#### 52.228-1 BID GUARANTEE (SEP 1996)

(a) Failure to furnish a bid guarantee in the proper form and amount, by the time set for opening of bids, may be cause for rejection of the bid.

(b) The bidder shall furnish a bid guarantee in the form of a firm commitment, e.g., bid bond supported by good and sufficient surety or sureties acceptable to the Government, postal money order, certified check, cashier's check, irrevocable letter of credit, or, under Treasury Department regulations, certain bonds or notes of the United States. The Contracting Officer will return bid guarantees, other than bid bonds, (1) to unsuccessful bidders as soon as practicable after the opening of bids, and (2) to the successful bidder upon execution of contractual documents and bonds (including any necessary coinsurance or reinsurance agreements), as required by the bid as accepted.-

**(c) The amount of the bid guarantee shall be 20% percent of the bid price or \$3,000,000.00, whichever is less.-**

(d) If the successful bidder, upon acceptance of its bid by the Government within the period specified for acceptance, fails to execute all contractual documents or furnish executed bond(s) within 10 days after receipt of the forms by the bidder, the Contracting Officer may terminate the contract for default.-

(e) In the event the contract is terminated for default, the bidder is liable for any cost of acquiring the work that exceeds the amount of its bid, and the bid guarantee is available to offset the difference.

#### 52.228-2 ADDITIONAL BOND SECURITY (OCT 1997)

The Contractor shall promptly furnish additional security required to protect the Government and persons supplying labor or materials under this contract if--

(a) Any surety upon any bond, or issuing financial institution for other security, furnished with this contract becomes unacceptable to the Government.

(b) Any surety fails to furnish reports on its financial condition as required by the Government;

(c) The contract price is increased so that the penal sum of any bond becomes inadequate in the opinion of the

General Decision Number MD000040

General Decision Number MD000040      Superseded General Decision No. MD990040  
 State: Maryland  
 Construction Type:  
 HEAVY  
 County(ies):  
 CECIL                      QUEEN ANNE'S  
 HEAVY CONSTRUCTION PROJECTS (Excluding Sewer and Water Lines)  
 Modification Number      Publication Date  
                                  0                      02/11/2000  
                                  1                      06/02/2000  
                                  2                      06/16/2000  
 COUNTY(ies):  
 CECIL                      QUEEN ANNE'S  
 \* BOIL0193B    10/01/1999

	Rates	Fringes
BOILERMAKERS	24.17	11.96
-----		
CARP0101D    04/01/2000		
	Rates	Fringes
MILLWRIGHTS	20.51	5.98
-----		
ELEC0313D    12/01/1996		
	Rates	Fringes
ELECTRICIANS	22.37	11.04
-----		
PAIN0051E    06/16/1999		
	Rates	Fringes
PAINTERS:		
New commercial & Public		
Construction, Repaint,		
Remodeling, Lead Abatement,		
Paperhangers and Drywall		
Finishers	16.39	5.81
Spray	17.92	5.81
All industrial work, industrial		
lead abatement, abrasive		
blasting, structural steel,		
suspended scaffolding & rigging		
work of any type, application		
of epoxies, lacquers, chlorinated		
rubber base materials & the		
application of any industrial		
special coatings and solvents		
on any surface.	17.92	5.81
-----		
SUMD2021A    01/01/1993		
	Rates	Fringes
CARPENTERS	11.17	.44
LABORERS (Including		
Pipelaying)	10.03	1.71
POWER EQUIPMENT OPERATORS:		
Backhoes	12.47	2.34

TRUCK DRIVERS 10.00 1.01

-----  
WELDERS - Receive rate prescribed for craft performing operation  
to which welding is incidental.

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Unlisted classifications needed for work not included within  
the scope of the classifications listed may be added after  
award only as provided in the labor standards contract clauses  
(29 CFR 5.5(a)(1)(v)).

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In the listing above, the "SU" designation means that rates  
listed under that identifier do not reflect collectively  
bargained wage and fringe benefit rates. Other designations  
indicate unions whose rates have been determined to be  
prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can  
be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a  
position on a wage determination matter
- \* a conformance (additional classification and rate)  
ruling

On survey related matters, initial contact, including requests  
for summaries of surveys, should be with the Wage and Hour  
Regional Office for the area in which the survey was conducted  
because those Regional Offices have responsibility for the  
Davis-Bacon survey program. If the response from this initial  
contact is not satisfactory, then the process described in 2.)  
and 3.) should be followed.

With regard to any other matter not yet ripe for the formal  
process described here, initial contact should be with the Branch  
of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an  
interested party (those affected by the action) can request  
review and reconsideration from the Wage and Hour Administrator  
(See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

The request should be accompanied by a full statement of the  
interested party's position and by any information (wage payment  
data, project description, area practice material, etc.) that the  
requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an  
interested party may appeal directly to the Administrative Review  
Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U. S. Department of Labor  
200 Constitution Avenue, N. W.

Washington, D. C. 20210

- 4.) All decisions by the Administrative Review Board are final.  
END OF GENERAL DECISION

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Country	USA	Type of Mark	STANDARD BRONZE DISK	Station	C&D CANAL 104-67
State	NORTH CHES. CITY	Stamp	104-67, 1967	Elevation	12.839
Municipality		Agency	CORPS OF ENGINEERS	Datum	C&D CANAL
PID	CD0026	Established by	CORPS OF ENGINEERS	ORDER	3RD
Latitude	39 31 54.27406	Longitude	75 49 14.62713	DATUM	
Northing	558 075.18	Eastng	385 928.26	Grid and Zone	DELAWARE

**Description**

CONVERSION MUST BE APPLIED TO ELEV GIVEN ON THIS SHEET TO OBTAIN "LOW WATER DATUM" ELEV.  
 THE STATION IS LOCATED ON THE NORTH SIDE OF THE CHESAPEAKE AND DELAWARE CANAL APPROX. 0.3  
 MILES WEST OF THE CHESAPEAKE CITY HIGH LEVE BRIDGE, 22.0 FEET NORTH OF THE CENTERLINE OF THE DIRT  
 MAINTENANCE ROAD, 3 FEET NORTH OF A + OR - 4 FOOT HIGH BANK ALONG THE NORTH SIDE OF THE  
 MAINTENANCE ROAD AND IS 106.4 FEET WEST OF THE CENTER OF A CONCRETE CATCH BASIN.

THE STATION IS A STANDARD U.S.E.D. BRONZE DISK SET IN 4 X 4 INCH CONCRETE POST WHICH EXTENDS 0.1  
 FEET ABOVE THE GROUND.

RECOVERED NOV. 1974

DESCRIPTION ADEQUATE J. MADEN

Country	USA	Type of Mark	STANDARD DISK	Station	DISPATCHER 1991
State	CHESAPEAKE CITY, MD.	Stamp	DISPATCHER 1991	Elevation	
Municipality		Agency	CORPS OF ENGINEERS	Datum	
PID	CD001	Established by		Order	
Latitude	39 31' 39.08029"	Longitude	75 48' 25.85833"	Datum	NAD83
Northing	556572.852	Easting	546008.539	Grid and Zone	DE(0700) NAD27

**Description**

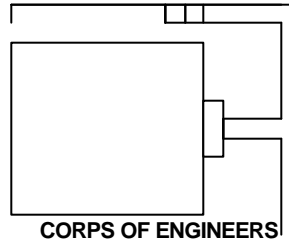
THE STATION IS LOCATED ON THE SOUTH SIDE OF THE C&D CANAL JUST EAST OF SOUTH CHESAPEAKE CITY AT THE CORPS OF ENGINEERS OFFICE.

IT IS 13.8 FT SE OF THE FLAGPOLE, 17.56 FT NW OF THE NE CORNER OF THE C OF E OFFICE BUILDING, AND 3.85 FT NE OF THE NE CORNER OF THE DISPATCHERS OFFICE.

THE STATION IS A STANDARD CORPS OF ENGINEERS BRONZE DISK SET IN THE CONCRETE SIDEWALK STAMPED DISPATCHER 91 1991.

SHEETPILLING

FLAGPOLE



CORPS OF ENGINEERS



Country	USA	Type of Mark	DISK	Station	U-2
State	MARYLAND	Stamp	6.834 U2 1931	Elevation	5.67
Municipality	CHESAPEAKE CITY	Agency		Datum	NAVD88
PID	CD0027	Established by	C & GS	ORDER	
Latitude		Longitude		DATUM	
Northing		Easting		Grid and Zone	

**Description**

**CONVERSION MUST BE APPLIED TO ELEV. GIVEN ON THIS SHEET TO OBTAIN " LOW WATER DATUM" ELEVATION.**

**ON THE POINT BETWEEN THE CHESAPEAKE-DELAWARE CANAL AND BACK CREEK, AT THE US CORPS OF ENGINEERS HEADQUARTERS, 33 FEET NORTH OF THE CENTERLINE OF THE ROAD 28 FEET WEST OF THE CONCRETE STPS LEADING TO THE ADMINISTRATION BUILDING AND NEAR THE EDGE OF A FIVE FOOT BANK. A STANDARD DISK IN THE TOP OF A CONCRETE POST THAT PROJECTS ABOUT FOUR INCHES.**

**\*BASED ON USC & GS BM LIST OF AUG 1967**

Country	USA	Type of Mark	STANDARD DISK	Station	95-91 1991
State	CHESPEAKE CITY, MD	Stamp	95-91 1991	Elevation	
Municipality		Agency	CORPS OF ENGINEERS	Datum	
PID	CD003	Established by		Order	
Latitude		Longitude		Datum	
Northing	556804.868	Easting	547797.928	Grid and Zone	DE(0700) NAD27

**Description**

THE STATION IS LOCATED ON THE SOUTH SIDE OF THE C AND D CANAL, 0.3 MILES EAST OF THE CHESAPEAKE CITY CORPS OF ENGINEERS OFFICE, ALONG THE LOWER MAINTENANCE ROAD.

IT IS 18.0 FEET SOUTH OF THE APPROXIMATE CENTERLINE OF THE LOWER MAINTENANCE ROAD, 33.40 FEET WEST OF THE CENTER OF A CATCH BASIN, 70.00 FEET SOUTHEAST OF POLE # 740 AND 3.0 FEET EAST OF A METAL WITNESS POST.

THE STATION IS A STANDARD C OF E BRONZE DISK SET IN A 10 INCH DIAMETER CONCRETE POST, EXTENDING 0.2 FEET ABOVE THE GROUND , STAMPED 95-91 1991.

---POLE #740-----  
 DIRT MAINT. ROAD  
 CATCH BASIN  
 O

SECTION 01500

TEMPORARY CONSTRUCTION

PART 1 GENERAL

1.1 SUMMARY

The work covered by this section consists of furnishing all labor, materials, plant and equipment, and performing all operations required for the construction of storage areas, and service facilities needed for execution and completion of the work, including the provisions of a Contractor field office and a Government field office.

1.2 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

U.S. ARMY CORPS OF ENGINEERS (COE)

EM 385-1-1 (1996) Safety and Health Requirements  
Manual

1.2 SUBMITTALS

Government approval is required for submittals with a "GA" designation; submittals having an "FIO" designation are for information only. The following shall be submitted in accordance with Section 01300 SUBMITTAL PROCEDURES:

SD-08 Statements

Temporary Facilities Plan; GA.

The Contractor shall submit to the Contracting Officer for approval its plans showing the layout and details of all temporary facilities to be used for this contract, including proposed alignment of all safety fencing.

1.3 LOCATING UTILITIES

Locations of existing utilities, to the extent known, are as shown on the Contract drawings. The Contractor shall take all reasonable precautions to locate and identify all existing utilities prior to excavating.

PART 2 PRODUCTS

2.1 WEATHER INSTRUMENTS

2.1.1 Rain and Snow Gage

National Weather Service standard gage with stand and wind screen. The gage

shall be designed to measure both rain and snow, shall be manufactured of copper and brass, and shall contain a funnel, inner tube, outer cylinder and dipstick. The wind screen shall have four 2-foot high legs and consist of 32 free-swinging leaves evenly spaced around a 48-inch diameter ring.

#### 2.1.2 Thermometer

Minimum/maximum outdoor type with instrument shelter. The thermometer shall be mercury filled and designed to indicate minimum, maximum, and current temperatures from -40 to 130 degrees F. The instrument shelter shall be constructed of wood with louvered front and sides, shall be painted white, and shall have a keyed lock.

#### 2.2 GOVERNMENT FIELD OFFICE

The Government field office trailer to be provided by the Contractor shall be new or recently renovated to a like-new condition subject to the approval of the Contracting Officer. The Government field office shall have a minimum floor area of 440 square feet, two locking doors, and partitioned restroom facilities. The trailer shall have sufficient lighting to supply 150 foot-candles at the desk top level and shall be supplied with 110 volt and 220 volt electrical outlets as required for heating, air conditioning, lighting, water cooler, and other accessories.

##### 2.2.1 Office Equipment

The following office equipment shall be provided by the Contractor for the Government field office trailer:

- a. Two desks having 60-inch by 30-inch tops, with lockable drawers; two swivel chairs; and two tables with 60-inch by 30-inch laminated tops;
- b. One 60-inch by 30-inch conference table with ten chairs.
- c. Telephone, two sets, two numbers, unlimited calling area, one telephone answering machine, telephone jack installed, and telephone line for operation of computer fax/modem;;
- d. Fire resistant, four-drawer, lockable legal size filing cabinet, two sets;
- e. Shelf set, two shelves high, each measuring 12-inch deep by 3-feet long, one per desk;
- f. Three waste baskets;
- g. Electric water cooler;
- h. Vertical filing plan rack for two sets of 28-inch by 40-inch plans each rack; and
- i. Copier with automatic document feed, including adequate supplies and service agreement.
- j. Fax Machine, laser, plain paper, including adequate supplies

and service agreement.

k. Personal Computer, Pentium III or approved equal with a clock speed of at least 800 MHz, 128 megabyte RAM, 20 megabyte hard disk drive, a 56k bps fax/modem and a laser jet printer. The following software shall be included: MS Windows '98, MS Word 97, and MS Excel 97.

### PART 3 EXECUTION

#### 3.1 TEMPORARY CONSTRUCTION

##### 3.1.1 General

The Contractor may construct within the work area indicated on the contract drawings, subject to the approval of the Contracting Officer, stockpile areas and on-site plant and facilities as needed for the execution of the work.

##### 3.1.2 Restoration of Work Site

Removal of all temporary construction and restoration of the work site upon completion of the contract shall be in accordance with the requirements of Section 01430 ENVIRONMENTAL PROTECTION.

#### 3.2 CONTRACTOR'S PROJECT OFFICES

The Contractor shall establish at the work site a project office equipped and staffed to efficiently conduct the work under this contract and provide essential information to the Contracting Officer or its authorized representative. The Contractor shall keep at all times at its office a copy of all drawings, specifications, and other pertinent information, and shall at all times give the Contracting Officer access thereto. The Contractor's office shall be equipped with telephone facilities which shall be available for use by the Contracting Officer.

#### 3.3 GOVERNMENT FIELD OFFICE

The Contractor shall provide and maintain a field office at the project site for the sole use of the Contracting Officer's representatives. The office shall be complete and ready for occupancy not later than 30 days after receipt of Notice to Proceed.

a. The Contractor shall provide the trailer at the work site with adequate heat, light, electricity, air conditioning, water, toilet and lavatory facilities. The Contractor shall provide portable water, provide for treatment of sewage, and provide permanent electric and telephone services, all in accordance with applicable local municipal, county and State codes. All utility costs arising from the use of the office, including telephone cost, shall be borne by the Contractor.

b. The trailer shall be placed on concrete block supports, leveled and tied down to withstand wind loads. A corrugated metal curtain shall be installed around the perimeter of the trailer from floor level to the ground. The curtain shall be firmly attached to withstand appropriate wind loads. All water piping and all waste piping shall be adequately supported and insulated.

c. The Contractor shall provide all janitorial supplies and services for the trailer complex to include as a minimum, daily sweeping, dusting, emptying of waste baskets, trash collection, and servicing of toilets and weekly mopping of all floors, sterilization of toilet seats and monthly waxing of all tile floors and washing of windows. The Contractor shall also provide for major maintenance to the trailer and its utilities.

e. The Contractor shall provide the above described facilities, equipment, and services for the life of the contract.

#### 3.4 PROJECT AND SAFETY SIGNS

The Contractor shall provide and erect at locations designated by the Contracting Officer, the project and safety signs shown on the sketches included as Section 00830 of this contract.

#### 3.5 WEATHER INSTRUMENTS

The Contractor shall provide and maintain at the work site in locations determined by the Contracting Officer, weather instruments consisting of a rain and snow gage with stand and a thermometer with instrument shelter. The Contractor shall take daily readings of precipitation and the minimum and maximum temperatures, and shall record such information on the Contractor Quality Control Reports as required under Section 01440 CONTRACTOR QUALITY CONTROL. This information will be used by the Contracting Officer as the basis for determining if the Contractor is entitled to a time extension for unusually severe weather in accordance with Special Clause: "Time Extensions for Unusually Severe Weather." The Contracting Officer will also consider other climatological factors such as abnormally high tides and excessive sustained wind velocities when evaluating possible time extensions.

#### 3.6 MEASUREMENT AND PAYMENT

No separate measurement or payment will be made for the work specified in this section and all costs in connection therewith shall be included in the cost of all bid items.

-- End of Section --

The Contractor shall notify the Contracting Officer not less than 2 weeks prior to the start of preservative treatment, stating the place where treatment will be done. Arrangements for access and facilities in this regard shall be made by the Contractor. In lieu of the inspection specified above, marine piling bearing the American Wood Preservers Bureau Quality Mark will be accepted.

## PART 2 PRODUCTS

### 2.1 MATERIALS

#### 2.1.1 Timber Fender Piles

Timber fender piles shall be pressure treated piles, Douglas fir or Southern pine, clean-peeled, conforming to ASTM D 25. Piles shall be in one piece with a minimum 12 inch butt diameter and driven to the minimum depth indicated on the drawings. Splices will not be permitted. Piles shall be preservative treated in accordance with ASTM D 1760, Table 4, and AWWA C1 and AWWA C3, and branded in accordance with AWWA C3. Exposed areas of treated piles that are cut or drilled after treatment shall receive a field treatment in accordance with AWWA M4.

#### 2.1.2 Pile Shoes

Pile shoes shall be manufactured from steel conforming to ASTM A 569/A 569M. Welding procedures shall be in accordance with a nationally recognized welding code.

#### 2.1.3 Pile Caps

Pile caps shall be conical shaped PVC, 1/8 inch minimum thickness, with a white color and connected to pile tops with galvanized 16-penny threaded nails at a 2 inch maximum spacing.

## PART 3 EXECUTION

### 3.1 INSTALLATION

#### 3.1.1 Handling

Each pile shall be fitted on the tip with a metal shoe. Piles shall be inspected in the leads, and where the protective shell or treated wood is impaired, between cutoff and a point which will be not less than 10 feet below the ground, the piles shall be repaired in accordance with AWWA M4, unless the pile is damaged to such extent that it is rejected. Pile shall be laterally supported during driving, but shall not be unduly restrained from rotation in the leads. Where pile orientation is essential, special care shall be taken to maintain the orientation during driving. When necessary, collars shall be placed around the pile head to prevent brooming. Cant hooks shall not be used in handling treated piles. Cutting of piles shall be with pneumatic tools, sawing, or other means approved by the Contracting Officer. Holes for bolts shall be of a size that will ensure a driving fit. Where indicated, holes shall be counterbored for the bolt heads and washers.

#### 3.1.2 Pile Driving

Permanent piles shall be driven without interruption to the tip elevations shown on the drawings. Diesel powered hammers shall be operated at the rate recommended by the manufacturer throughout the entire driving period. Sufficient pressure shall be maintained at the hammer so that for double-acting hammer, the number of blows per minute during and at the completion of driving of a pile is equal approximately to that at which the hammer is rated for single-acting hammer, there is a full upward stroke of the ram and for differential-type hammer, there is a slight rise of the hammer base during each upward stroke. The pile cushion or capblock shall be replaced whenever it becomes damaged, split, highly compressed, charred or burned, or has become spongy or deteriorated in any manner. Under no circumstances will the use of small wood blocks, wood chips, rope, or other material permitting excessive loss of hammer energy be permitted. ~~The Contracting Officer shall be notified, and will determine what procedure shall be followed, if a pile reaches the pile tip elevation indicated on the drawings without reaching the required driving resistance; or if the required driving resistance is reached before the required pile tip elevation.~~

### 3.1.3 Tolerances in Driving

All piles shall be driven with a variation of not more than 0.25 inch per foot of pile length from the vertical. Butts shall be within 4 inches of the location indicated. Manipulation of piles to force them into position will not be permitted. All piles shall be checked by the Contractor for heave. Piles found to have heaved shall be redriven to the required tip elevation. Piles damaged, mislocated, or driven out of alignment shall be replaced or additional piles driven as directed by the CO, at no additional cost to the Government.

### 3.1.4 Jetting

Jetting will not be permitted.

### 3.1.5 Surface Treatment

After piles have been driven and cut off, all cut, bored, and dapped surfaces shall be treated as specified in AWP4 M4.

## 3.2 PILE DRIVING EQUIPMENT

### 3.2.1 Pile Hammers

The hammer furnished shall have a capacity at least equal to the hammer manufacturer's recommendation for the total weight of pile and character of subsurface material to be encountered. For piles of any length, the maximum driving energy of the hammer shall be 20,000 foot-pounds.

### 3.2.2 Driving Helmets and Pile Cushions

A driving helmet or cap including a pile cushion or cap block shall be used between the top of the pile and the ram to prevent impact damage to the pile. The driving helmet or cap and pile cushion combination shall be capable of protecting the head of the pile, minimizing energy absorption, and transmitting hammer energy uniformly and consistently during the entire driving period. The driving helmet or cap shall fit snugly on the top of the pile so that the energy transmitted to the pile is uniformly distributed over the entire surface of the pile head. During the test-pile